NATIONAL GEOGRAPHIC SOCIETY

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SIXTEENTH AND M STREETS NORTHWEST WASHINGTON D C

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Formerly Member U.S. Congress Faunat Naturalist and

ORGANIZED FOR THE INCREASE AND DIFFUSION OF GEOGRAPHIC KNOWLEDGE TO carry out the purposes for which it was founded forty seven years ago the National Generaphic Society publishes this Marka ne monally All recepts are invested in the Markanne insett or expended developed productions are invested in the Markanne insett or expended develope to promote agongapia, showledge

ARTICLES and photographs are desired for material which the Magazine can use generous renumeration is made. Con a buttoria about the accompanied by addressed return envelope and postage MILLION ATTOL

THE Society also had the honor of subscribing a substantial sum to the expectition of Admiral Peary who discovered the North International Translation of Admiral Peary who discovered the North International Pears and contributed \$73,000 to Admiral Bard's America Layel tions.

OT long ago The Society granted \$25,000

THE Society's notable expeditions to New Mexico have pushed tack the listoric hora

AT an expense of over \$50,000 TJ e Society lent & notable series of expeditions into Leru is inverse as vibe traces of the line zee. Ther districtes from a large at the order to the factor of the line and the original of the original series of the line and the original ori

CUMULATIVE INDEX

IRT OF

National Geographic Magazine 1899 to 1934, inclusive

With a Foreword

The National Geographic Society and Its Magazine

By Gilbert Grossenor



NATIONAL GEOGRAPHIC SOCIETY

WASHINGTON, D C

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BY NATIONAL GEOGRAPHIC SOCIETY
WASHINGTON, D. C.

THE NATIONAL GEOGRAPHIC SOCIETY AND ITS MAGAZINE

By Gumen Grosyfyor

THIS book is the key to a treasure trove-the vast store of information concerning the world, its peoples and creatures published in the brilliantly illus trated pages of the NATIONAL GEOGRAPHIC MAGAZINE from 1899 to the present year

Almost unbelievable is the growth in the number of members of the National Geo graphic Society and the readers of its Maga zine in that 36 year interval. When your present Editor and President was asked by Alexander Graham Bell to take charge of The Magazine, in April, 1899, The So ciety's membership was so small that he could carry the entire edition of one month on his back Today a single issue would form a pile more than five miles high rival iog Mount Everest, or 50 piles, each as tall as the Washington Monument alone used in printing each issue weighs five and a quarter tons-as much as 70 men eould carry

In those early days it was customary to print in The Magazine the names and addresses of the members To do so today in small type allowing 50 names to a page would require 20 000 pages, filling solidly more than 12 years of Geographics with out another word or a single picture

READ BY FIVE MILLION PERSONS

A welcome guest in a million homes, The Society's Magazine with its appeal to all members of the family is estimated to have reached each month during the last 15 years an average of 5 000 000 readers

To collect print and distribute on such a scale the enormous reservoir of valuable geographic knowledge indexed on the following pages is a publishing labor of Her cules which no individual or small group of individuals would even undertake method by which it has been accomplished is as unique as the material itself and the story is the remarkable history of the National Geographic Society

Nowhere in the world is there another magazine exactly like the NATIONAL GEO GRAPHIC In its conception contents and policy it differs wholly from any other pub lication It is published and owned by a society of a million members organized for

the increase and diffusion of geographic

knowledge! Its purpose is and always has been to promote science and education and it educates in the most effective way by portraying this thrilling world and its life in clear, vivid, comprehensible manner, stripped of dull technical verbiage, and murrored in many striking pictures

Who can even begin to estimate the cul tural results of distributing this readable, easily understood humanized, and pictur ized knowledge among millions of people not only of the United States, but of foreign lands decade after decade?

Some of the ablest minds in America have contributed their talents to the organiza tion and building of The Society untes of 35 colleges and universities now carry on its researches and editorial work

The many millions of dollars required to publish these 36 years of Geographics have been supplied year after year by the dues of the members of the National Geo graphic Society, who have increased from t 000 in 1899 when the first number herein indexed was printed to 1,000 000 in 1935 Their modest three dollar annual dues pay for 12 numbers of The Magazine with fre quent maps and other supplements and also sustain The Society's numerous sci entific expeditions and researches

Thus the National Geographic Society is a cooperative scientific research undertak Only by spreading first cost over a large edition could the many expensive and worthwhile features have been provided All The Society's activities, its Magazine and its expeditions are sustained by the membership fees of its million members

This extraordinarily large membership in a Society whose objects are entirely scientific and educational in which the bond is intellectual not religious or frater nal or social shows that the spirit of adventure and the desire to learn and help research are fairly universal

The Society's membership rolls include not only hundreds of thousands of the country's most cultured and substantial people but also hundreds of thousands of citizens possessing only modest educational

and material advantages

The lonely forest ranger, the clerk tied to his desk the plumber the teacher, the



THIS STATELY STRUCTURE ON HISTORIC STYTEENTH STREET IN WASHINGTON IS THE NATIONAL GEOGRAPHIC SOCIETY'S HOME

Here in a modern air-conditioned building are housed The Society's editorial and executive headquarters its I brary of 250,000 black and white and natural-color photographs from every corner of the world a completely equipped photographic faboratory and Explorers. Hall in which are preserved priceless trophes of Geographic expeditions and enlargements from stall photographers fined in against set Indibard Millerman Hall (extreme right) home of The Society during its early days was presented as a memorial by the family of the late Gardiner Greene Hubbard its first President (see text page VVI). It now houses The Society's fine library of geography and exploration

eight year-old boy and the octogenarian, cannot, like a Carnegie or a Rockefeller, send out their own expeditions, but they do enjoy having a part in supporting explorations conducted by their own Society and reading the first hand accounts in their own Massague

THE SOCIETY'S FLAG BORNE ON ADVENTUROUS JOURNEYS

Other than the flag of my country I know of no greater privilege than to carry the emblem of the National Geographic Society With these words Rear Admiral Richard E Byrd expressed his bigh regard for your Society's achievements in increasing humanizing, and diffusing geographic information

Among The Society's many significant contributions to science and popular ed ica tion, we mention a few

Archiograd Expeditions The Society s notal be expeditions to New Mixture by Neil M Judd and Andrew E. Doughas have pushed hack the historic horizons of the southwestern Unsted States to a period nearly eight centures before Columbias crossed the Atlantic solving cerets Inst. Jack 2007 and 100 feb. 1

Solar Rad aton. To further the study of long range weather forecasting. The Society appropriated funds to enable the Smithsoman Institution to maintain a solar radiation station in Africa for six years.

The lattry of Ten Thousand Smoher. After the eruption of the world's largest crater Mount hatma: The Society sent five expeditions to this Alaskan volcanic area. An eighth wonder of the world was discovered—the Valley of Ten Thou sand Smokes—which has since been created a value and thousand the same of the control of the same of

Sating the Gant Sequesa Trees. The Society and individual members purchased and pre-ented to the Government 2,239 acres of the finest grant Sequesa and other trees within the Sequesa National Park.

Caribbal Cavern The Society's expeditions explored and revealed to the world this largest and most beautiful known cavern in New Mexico Exploration of the Stratosphere The Society

Exploration of the Stratosphere The Society and the U.S. Army Air Corps jointly sponsored explorations of the strato phere to gather scientific information at an altitude approaching 13 miles above sea level.

Polar Research The Society granted funds and scendific and amounting to \$75,000 to Adm ral Byrd for his first exploration of the South Polar regions and also cooperated with the second Byrd Aniarette Expedition Admiral Byrd first gained experience in Arctic Byrg on the MacMillan Arctic Expedition sponsored by The Society and the U.S. Navy The Society had the honor of the Company of the Society and the Society and the podution of Admiral Peary who discovered the worth Pole Aruf & 1909



EACH MONTH A MILLION GEOGRAPHICS ARE ADDRESSED AND SENT OUT FROM THE GEOGRAPHIC ANNEX BUILDING AT THIRD AND R STREETS, NORTHEAST, WASHINGTON

In The Society's Annex which occupies a city block, a complete record of each membership is kept and the huge daily mail of thousands of letters from members scattered all over the world is received and answered. Back numbers of The Magazine and The Society's publications such as hooks, pictures, and maps are preserved here More than 200 employ sees working in the Annex take care of the membership nominations mail out Certificates of Membership and make the thousands of necessary changes of address for members

Trans Audic Expedition In 1932 the Citroen Haardt Trans Audic Expedition with The So ciety cooperating crossed Central Asia from the Mediterranean to the Yellow Sea Long hidden phases of life along 7,370 miles of historic caravan routes were studied and recorded for postenty

It should be noted that under "National Geographic Society Expeditions" in the index, only the more technical ones are listed. The Society's photographers and writers have made too many expeditions to be indexed as such, and these will be found under the name of the country, State, or region 'usited'.

A LIBRARY OF PERMANENT INTEREST

When bound these 432 issues from 1899 through 1934 form a hivray of 55 large vol umes of considerable monetary value. For a complete set collectors pay hundreds of dollars. Yet a person joining The Society at its formation in 1888 and continuing a member until 1935 would have received this entire collection for \$88 in dues, or a life membership might have been purchased in 1888 for \$50. It is hard to conceive of a better dividend paying in vestment, even when only the financial as pect is considered and the incalculable cultural and entertainment value is ignored.

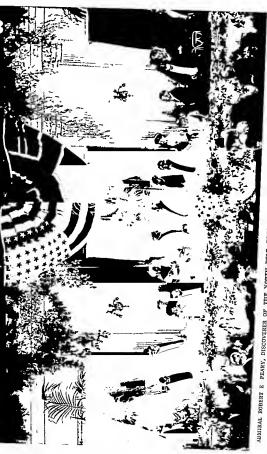
In collecting Geographics many persons have found an absorbing and sometimes remunerative pursuit. A single number published in the early years may bring from seven to eighty dollars, depending upon its condition and the scarcity of the particular issue.

A copy of THE GEOGRAPHIC rarely out lives its interest. Few indeed ever find their way back to the paper mills The quality of the paper is so excellent that numbers printed more than a quarter of a century ago are still as sound and legible as when they were issued More volumes of THE GEOGRAPHIC are bound than of any other magazine, and the binding of Geographics has become a big business. The bound con res are constantly consulted by students, teachers, travelers artists, scientists, per sons in a hundred walks of life Most large public libraries, schools, and numerous in dividuals have complete or nearly complete files and to make the voluminous contents more readily accessible, this cumulative in dex is issued

The subject matter covers almost the entire range of vature, from the ant to the elephant, from the humming bird to the trumpeter swan, from tiny tropical fish to the gigantic whale from the microscopic



of the both Pole (4) greeted Raid Amadem decourses of



AUMIRAL ROBERT E PEARY, DISCOVERER OF THE NORTH POLE, PRESENTS TO ROALD AMUNDSEN, DISCOVERER OF THE SOUTH POLE, THE SPECIAL COLD MEDAL OF THE NATIONAL GEOGRAPHIC SOCIETY, JANUARY 11, 1913

The other in the group at the table beginning on the extreme left, are The Chance Minister Mr Chang Vin Ting, Madaine Chang, the Bohyuan Robert B repr., the most of following the Manual Manual Chang, the Bohyuan Ambassador, J Juscental the Steerdary of the Interno. While I Fight National Manual Chang, Manual Manual

spores of mold to the mighty eucalyptus and sequoia trees. It deals with nearly every part of the earth, from the teeming payements of New York and London to equatorial jungle and polar wastes

Here, in a photograph, a solitary Moslem kneels beside his camel amid the dreary dunes of the desert, turns his face toward far away Mecca, and strikes his turbaned brow against the sands in obeisance at the hour of prayer There, a handsome Ro manian peasant girl barefoot, in gaily embroidered dress, strides through the cool waters of a mountain stream, her water pitchers swinging from a stick across her shoulder, the joy of living in her eye and step, perhaps she is in love

Such pictures leave an unforgettable im pression As an old Chinese proverb has it, they are more eloquent than 10 000 words!

EXTRAORDINARY PICTORIAL RECORDS

Even more important than their esthetic appeal is the educational scientific, and historical value of THE GEOGRAPHIC'S DIC tures, which contribute not only to current information but also to man's accumulated store of knowledge For historians eth nologists and scientists of future genera tions. The Society's rich album of natural color photographs-reproduced for us and posterity in The Magazine by four color photo-engraving-will constitute a price less not to-be duplicated record authen tic in proportion and tint of the costumes scenery, architecture and daily life of the civilized nations and isolated tribal communities of the present age. Already thou sands of costumes have been copied from these pages

In The Society's library is a complete index and cross index to every picture The Magazine has ever printed It contains nearly 200 000 cards In another part of The Society's headquarters its priceless collection of more than 208 000 unused photographs reposes in 350 asbestos lined, firencoof cases

Among The Society's pioneering achieve ments in photography-in the laboratory and in the field—are these

t First to make and publish natural color photographs of Arctic life first magazine publication of aerial pictures of the North Pole and of aerial photographs of the South Pole
2 George Sh ras, 3d a Trustee of The Society
made the first flashight pictures of wild animals

in their natural habitats

3 Capt Albert W Stevens conducting scientific observations for The Society, took the first photo graph showing laterally the curvature of the earth, and important aerial photographs of the advance ing shadow of the moon on the earth's surface during an eclipse of the sun On the National Geographic Society U S Army Air Corps Strato sphere Flight of 1934 he took the world's highest altitude photograph of the earth. All were pub lished exclusively in THE GEOGRAPHIC

4 First successful natural color photographs un dersea by Charles Martin Chief of The Society's photographic laboratory the first extensive series of successful natural color photographs of aqua mum fishes in action by Edwin L Wisherd of the

photographic staff

 First natural color photographs from the air by Melville Bell Grosvenor an Assistant Editor

of The Magazine

6 First to take and publish natural color photo graphs of the Valley of Ten Thousand Smokes and the Mount Katmai volcanie region in Alaska by Robert F Griggs leader of six Geographic Society Alaska expeditions

7 First to take and publish an extensive series of natural color photographs of the United States by Chiton Adams Franklin Price Knott Jacob Gayer B Anthony Stewart Richard Stewart and Edwan L Wisherd all of The Society's staff

8 W Robert Moore of The Society's staff made the only natural color photographs of the coronation of the Emperor of Ethiopia took the first natural-color photographs of hill tribes of Burma and Stam and the first extensive senes of natural color photographs of South America ever published

9 The first natural color photographs in re

gions of the Tibetan borderlands by Joseph F Rock leader of Society expeditions

to The first progressive series of photographs from the Mechterranean to the Yellow Sea by Maynard Owen Williams Chief of the Foreign Editorial Staff

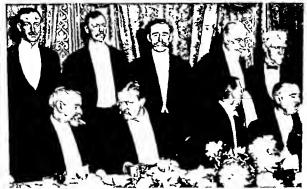
tt The first comprehensive color photographs of European countries by Gervais Courtellemont Hans Hildenbrand Luigi Pellerano and Wilhelm Tobien

The NATIONAL GEOGRAPHIC is the only magazine that systematically photographs in natural colors It reproduces more full color photographs than any other publica tion

One issue may carry the reader up the Andes Another may show him the splen dors of the Tai Mahal or picture strange exotic peoples in the fastnesses of Tibet Opening a volume at random he finds 800 flags of the world reproduced in color another are all the breeds of docs

OPENS MILLIONS OF EYES TO NATURE S

In transporting its members in fancy to far places THE GEOGRAPHIC has not lost sight of the wonderland of Nature which lies at every man's door. Through its



O Harr s & Ew ng

A GEOGRAPHIC LUNCHEON IN HONOR OF COLONEL THEODORE ROOSEVELT

On his return from his explorations in Africa in 1910 and beam from South America in 1914 Colonel Rootevelt gave to the National Geographic Society in Washington his first public lecture announcing his discoveries

From left to right earted—J J Justerand the French Ambassador Colonel Theodore Roo e velt Gilbert Grossenor Director and Editor Vational Geographic Society Juan de Riano the Spanish Ambassador Standing—Frederick V Coville George Shars 3d Admiral Robert E Peary General A W Greely and General John M Wilson members of the Board of Managers of the National Geographic Society.

efforts millions of eyes have been opened to the beauties of the forests and national parks the birds wild flowers and animals the wonders of plant and insect life Notable is the current series of paintings by Vlaj Allan Brooks of the birds of North America with accompanying human interest biographies of these feathered neighbors by persons of wide reputation in this field

From a page in one of the earlier vol umes peers a surprised wildcat bathed in the dazzling brightness of a photographic His debut in THE GEOGRAPHIC marked the beginning of the publication of the valuable series of photographs made by Mr Shiras inventor of methods of tak ing pictures of wild animals at night by flashlight and for 15 years the sole photographer to make such pictures As the first successful photographer of wild life by day or night he did much to popu larize the sporting and absorbing game of hunting birds and animals with a camera and making them take their own photo graphs

In another early issue appear the aweinspiring monsters of our back yards mere grasshoppers and other small insects but fearsome strangely made absorbing creatures as pictured in greatly enlarged photographs taken by Dr David Fairchild, another veteran member of The Society's Board

HISTORIC NARRATIVES OF AVIATION AND EXPLORATION

Beginning with Alexander Graham Bell's bistoric papers on man lifting Lites and aerial locomotion. The Geographic has published more about aviation than any other magazine of general circulation.

In its pages are recorded in word and picture the personal narratives of explor ers and trail blazers by land sea and air from Peary and Amundsen to Byrd and Luntbergh Among these gripping first band stories are those of Captain Stevens of the National Geographic Society U S Army Air Corps Stratosphere Balloon Expeditions Dr Hugo Eckner of the Graf

Zeppelin, Stefansson, Shackleton, de Pinedo, Nohile, Dargue, Auguste Piccard, Kingsford Smith, Ross Smith, Macready, Mittelbolzer, Alan Cobham, Amelia Earhart, Anne Mortow Lindbergh (see p. 6)

In the files of THE GEOGRAPHIC you will find General Goethals' account of the

building of the Panama Canal

Here, too, are the travel observations of statesmen — Taft, Theodore Roosevelt, Bryce, Coolidge, Curzon, Jusserand, Root, Grew, Bingham, Castle, of men of letters—Jo-eph Conrad, Donn Byrne, Scott O Connor, A J Villiers, the work of famed nat uralists and scientists—Alexander Graham Bell, S P Langley, Ditmars, Beebe, Chapman, Coville, Morley, Shiras, Nelson, Griggs, Jaggar, Rock, Andrews, Abbot, Greely, Allen, Murphy, Mann, Wetmore

Invaluable contributions to the under standing of our Nation both by its citizens and by members abroad are Time Geocarphic's important series of articles on the States and chief cities of the United States Beginning with John Oliver La Gorce's article on Pennsylvania, the series of State stories now has covered more than half of the 48 Commonwealths of the Union, and represents the most comprehensive task.

of its kind ever undertaken

There are many articles on islands, some remote and seldom visited \text{ Mong them are Falcon Island, a 'hide and seek' spot of land in Polynesia which literally has its ups and downs, Bogoslof, another volcanic jack in the-box, lonely Easter Island, with its mystiling statues reared by a vanished people, Juan Fernandez, the Robinsom Crusoe island, Yap and the other Pacific islands under Japanese mandate There are also articles on vilands nearer home, 'The last of Capri,' about which so much his been sung the Channel Islands, Malta, the Orkneys, Cyprus, Guale, etc

With progress in archeological exploration The Magazine has kept step year by

rear

From Nebuchadnezzar's Palace at Baly, lon where the Hand wrote on the Wall, to the tomb of king Tutanhammen to the ancient Harem of Nerses at Persepolis Maya temples in Neiroc, Inca rums Peru and pueblos in our own Southwest dated by the tree rings in their charred and weathered beams, the continuous story of modern sciences steady uncovering of mysterious lost civilizations is carefully recorded in Tur Goovanies. A clear, up-to-date picture of this change world is brought to members from time to time by special large map supplements in color, made by The Society's own car tegraphers with infinite care and ingenious methods. No expense in time, money, or effort is spared to make these maps equivalent to many volumes of reference information. A million copies of each are printed.

Maps are the shorthand of geography, and special processes make it possible to concentrate into those issued by The Society a maximum of material without crowding and with a clarity of lettering that has been the enty of cartographers in other parts of the world. By a specially devised technique place names are photographed onto the map instead of being printed onto the map instead of being printed onto the map carefully selected to insure the perfection and durability of the finished product.

Sometimes the big color presses are stopped in full stride to make a change in the name or the status of an area in the hight of fast minute developments on the world stage. Many a place which is of peculiar and particular interest but too small to be shown on most maps will be

found on those of The Society

Since March, 1915, this cartographic work has been directed by Albert H Bun stead. It was Mr Bunstead who invented the sun-compass which Admiral Byrd used on his polar flights. "Without it," Byrd declared, "we could not have reached the Pole."

Constantly The Society and The Magazine are declaring dividends to their million member-owners in a finer, fatter publication, in worth while map and pictorial supplements, so the fraits of lar-seeing, long-visioned exploration in the stratosphere high above the earth, in the lower depths of the sea where no man before has gone alive, in Antarctica, "the last continent of adventure"

THE GEOGRAPHIC S REMARKABLE SUCCESS

When all this is considered, it is easy to understand why so few members resign from The Society, why membership fell off by only a small percentage during the late depression, and why the roster of members is rapidly mounting again with the total well beyond the million mark.

Instead of the tiny, one room office shared with another scientific organization

in April, 1899, The Society's executive staff now is housed in a handsome group of airconditioned buildings, one of the finest in Washington, and owned by The Society, to which visiting members from all over the world are constantly being welcomed. In stead of a single paid employee The Society has some 700. Instead of debts it has a substantial reserve fund for exploration and research, built up by careful business management out of the small annual dues of members, and a valuable asset in its re-renowned Magazine.

The Editor is now in his 37th year of service as such He can well remember his first visit, on April 1, 1899, to The Society's headquarters, which was half of a small rented room on the fifth floor of the Cor

coran Building in Washington

The little space of which he, age 23, was to assume charge was littered with old magazines, newspapers, and a few books of records, which constituted the only visible property of The Society The treasury was empty, and had incurred a debt of nearly \$2,000 by the expenditure of its life membership fees to keep alive

The National Geographic Society had been organized in 1888. At that time Grover Cleveland was nearing the end of his first administration. Life in Washing ton moved at a pace attuned to horses' hoofs and carriage wheels instead of speeding motor cars and airplanes. Movies and

radio were not yet born

Among a small group of public spirited scientists an idea stirred. To other thought ful., serious minded men in. Ianuary, 1888, went the following note, brief, unpreten tious but laden with portent, for it was the first step in formation of a society which one day would extend its member ship and its scientific influence around the world.

Dear Sir. You are invited to be present at a meeting to be held in the Assem bly Hall of the Cosmos Club, Friday evening January 13, at 8 o'clock for the purpose of considering the advisability of organizing a society for the increase and diffusion of geographic knowledge Very respectfully yours,

GARDINER G HUBBARD
A W GREELY
J R BARTLETT
HENRY MITCHELL
HENRI GANNETT
A H THOMPSON'

Of those six men, one, General Greely, is still alive today (in 1935) in his nineties, and still an honored member of The Society's distinguished Board of Trustees

The invitation struck a responsive chord, and 33 men met at the Cosmos Club. The meeting was called to order by Professor Thompson, who stated its objects and nominated Capt. C. E. Dutton as charman. In the subsequent discussion of the formation of a geographic society, Messrs Hubbard, Bartlett, Thompson, Mitchell, Kennan, Gannett, Merriam, and Gore took part.

C Hart Merriam and J Howard Gore are alued members of The Society's Board

of Trustees to this day

The following resolution, introduced by Professor Thompson, was adopted

Resolved

1 As the sense of this meeting that it is both advisable and practicable to organize at the present time a geographic society in Washington

2 That this society should be organized on as broad and liberal a basis in regard to qualifications for membership as is consistent with its own well being and the dignity of the science it represents

3 That a committee of nine be appointed by the chairman to prepaire a drait of a constitution and plan of organization to be presented at an adjourned meeting to be held in this half on Friday evening January 20 1888

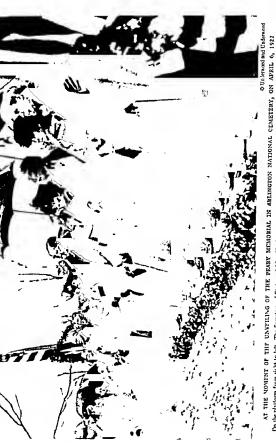
A committee for formulating a plan of organization was appointed, consisting of Messrs Hubbard, Greely, Bartlett, Mitch ell, Kennan, Thompson, Gore, Tittmann, and Mernam

In this list appears the name of still another of The Society's present Trustees, O H Tittmann

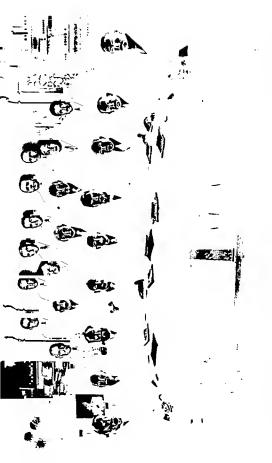
A subsequent meeting was held on January 20, at which it was decided to Incorporate The Society, and the same committee was continued to carry out that purpose On January 27 The Society was incorporated, the following men signing the certificate of incorporation

GARDINEE G HUBBARD
C E DUTTOY
HENRY GAN ET
H THIMANY
H HOARD GORE
H HORNES
H HORNES
H HORNES
ROGERS BINNE JR
GORGE KINGE
GORGE KINGE
GORGE KINGE
GORGE THOMPSOY

On the same day the first meeting of The Society was held in the Assembly Hall of the Cosmos Club, when it was organized



On the platform from tight to left. The Secretary of State and Mrs. Highes William Ho and Talt the Ch et Ju tre of the Unite'l States who was President of the Lights States who was resulted a Rest Admard the Am was ber of brane and Mee Justine I De Galbert Growener President of the National Geographic Society, the President of the United States and Mrs. Hard at Viv. Robert E. Peary De F. W. Norbon Captum Robert A Bardett. Extun Dorby Servitary of the Navy and the Reserred Dr Charles Wood 14ttly senerated by the flag (at the right) is Colonel Throders Reservedt. Assi tand Servetary of the Navy.



THE BOARD OF TRUSTEES OF THE NATIONAL GEOCRAPHIC SOCIETY AT ITS MEETING DECEMBER 14, 1921, IN HUBBURD VILVORIAL HALL Frost row read no from left to right James Howard Gore O H Tutmann Abrander Graham Bell William Howard Talt Gilbert Grossenor, Henry White John Ope Edgen C M. Colester O P Astan Second now Daved Fauchid George Ones Smith George Shinas 3d Rudolph Kauffmann Charles J W Hutchison (Abrent because of illness A W Greeby C Hart Meerams S N D Morth).

THE NATIONAL GEOGRAPHIC MAGAZINE



DEDICATION OF THE SOCIETY'S MEMORIAL TO THE AMERICAN FORCES AT CANTIONY

This fountain was the central feature of the water supply system which The Society presented to Cantinny in commemoration of the First Victory of the American Forces in France At the extreme felt is Col France & Drake of the American Legon Standing between M Emery Prefect of the Somme and the Mayor of Cantings in Dr J Howard Gore Chairman of the Memorial Committee who prepresented the Board of Trustees and members of the National Geograph's Society at the dedication on July 14 1923

by the election of the following officers and the adoption of by laws

President GARDINER G HUBBARD

Lice Presidents

HERBERT G OCDEN A W GREELY J R BARTLETT C HART MERRIAM A It THOMPSON

Treasurer CHARLES J BELL Record ng Secretary HENRY GANNETT Correspond ng Secretary GEORGE KENNAN

Managers

CLEVELAND ARRE MARCUS BAKER ROGERS BIRNIE, JR G Brown Coops

W D Jouvson HEVRY MITCHELL W B POWELL JAMES C WELLING

The number of members who joined The Society at its organization was 165

I am not a scientific man nor can I lay claim to any special knowledge that would entitle me to be called a 'geographer,' ' Said President Hubbard in his first intro ductory address I owe the honor of my election as President of the National Geographic Society simply to the fact that I am one of those who desire to further the prosecution of geographic research I pos sess only the same general interest in the subject of geography that should be felt by every educated man

By my election you notify the public that the membership of our Society will not be confined to professional geographers but will include that large number who like myself, desire to promote special researches by others and to diffuse the knowledge so gained among men so that we may all know more of the world upon which we live

By the establishment of this Society we hope to bring together (1) the scattered workers of our country and (2) the per sons who desire to promote their researches In union there is strength, and through the

medium of a national organization, we may hope to promote geographic teserich in a manner that could not be accomplished by scattered individuals, or by local socie ties, we may also hope—through the same agency—to diffuse the results of geographic research over a wider area than would otherwise be possible "

A MODEST MAGNZINE MAKES ITS DEBUT

A few months later, early in 1889, appeared a slim little scientific brochure—Volume I, No 1, of the National George Covers of a terra cotta shade were such articles as these 'Geographic Methods in Geologic Investigation', The Classification of Geographic Forms by Genesis' It was earnest serious, studious thorough, but it bore little relation to the brilliantly illustrated periodical that it would some day be It did not even undertake to come out at more than 'irregular intervals' On the first two pages was this announcement

The National Geographic Society has been organized to Increase and diffuse geographic knowledge and the publication of a Magazine has been determined upon as one means of ac

complishing these purposes

It will contain memoirs essays notes correspondence reviews etc relating to georaphic matters. As it is not intended to be simply the organ of The Society its pages will be open to all persons interested in geography in the hope that it may become a channel of intercommunication stimulate geographic investigation and prove an acceptable medium for the publication of results

The Magazine is to be ed ted by The Society At present it will be issued at irregular intervals but as the sources of information are increased the

numbers will appear periodically

The National Capital seems to be the natural and appropriate place for an association of this character and the aim of the founders has been therefore to form a National rather than a local society

But there is no limitation to the number of members and it will welcome both leaders and followers in geograph c science in order to better accomplish the objects of its organization October 1888

After several years of irregular publication the Board decided to issue The Mag anne every month beginning January I 1896 and to make efforts to increase the accutation by placing it on the newstands. In December 1897 Gardiner Greene Hubbard died and his distinguished son in law Alexander Graham Bell inventor of the telephone accepted the presidency in January 1898.

Meanwhile the plan to popularize The Magazine and increase the subscriptions

had failed By the end of the year The Society was badly in debt, and the Board much discouraged

But President Bell was not disheartened the maintimed that geography was a most interesting subject and that the public would support a geographic migazine, provided the mitter was presented entertiningly. The first step, he asserted, was to enginge and pay a person to devote his entire time to the editorial work and to promote the membership Heretofore these duties had been performed by a committee of very busy and distinguished men who gave their exvices without remuneration

The second step, said Dr Bell was to discontinue efforts to obtain subscribers to a magazine. In place of subscribers an effort should be made to get members of a society who would believe in the project and

help it

At that time The Society had two classes of members (a) active or local members who lived in the District of Columbri paid \$5, and attended the lectures and received The Magazine, and (b) non resident or corresponding members who paid \$2, and got The Magazine only Dr. Bell ad vised that the distinction between resident and non resident members be abolished arguing that people disliked to be classed as non resident or corresponding members because of a prevalent feeling that non resident members had fewer privileges

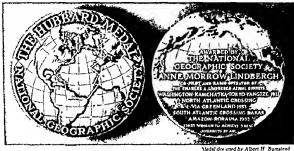
At that time, January 1899, of the 1 000 members 800 resident in Washington were paying \$5 for The Magazine and lectures and only 200 were paying \$2 and the Board members were reluctant to make the change. But they welcomed the suggestion that an assistant editor be appointed to assist in the preparation of The Magazine and in promoting the membership particularly as Dr. Bell offered to pay the salary

of the person selected

THE INVENTOR OF THE TELEPHONE SEEKS AN EDITOR

Dr Bell realized that the desire to add to knowledge sie wellingh universal that hosts of people would hie to support exploration and research as rich men have been able to do Their pride in National Geographic Society membership is parily due to re alization of this wish

The writer has had the privilege of directing its policies since April 1899 when he was invited by Dr. Bell then President of the National Geographic Society, to assume



TWO PAMOUS PLIGHTS CHARTED IN SOLID GOLD

I MO INTIOCS LEGITIS CHEMIED IN BOTTO COPE

On the face of the medal (left) is outlined the Lindberghs circumnavigation of the Atlantic in 1933, during which they flew 29 000 miles over tossing seas. Greenlands ice cap the European continent, the African coast and the teering jungles of South America. On the reverse above the inscription is depicted the flight of 1931, across the northern wilds of Canada and Alaska over the Bering Sea and down the Stheran coast to Japan and China.

editorial charge of The Magazine and of the effort to increase membership

To my father, Dr Edwin A Grosvenor, professor of European history at Amherst College, author of two magnificently illustrated volumes 'Constantinople,' etc., and later President of the United Chapters of Phi Beta Kappa, Dr Bell wrote the following letter from Washington, on February 19, 1899

'My DEAR PROFESSOR GROSVENOR

"As President of the National Geographic Society I am on the lookout for some young man of ability to act as Assistant Secretary of The Society, and manage under the direction of our Editorial Committee, our monthly publication, "The NATIONAL GEOGRAPHIC MAGAZINE."

"In this connection your two sons recur to my mind. I do not know whether the position contemplated would be in the nature of an advance on the positions they now accupy, or whether it would be consistent with their aims in life—and therefore write confidentially to you be fore approaching either of them upon the subject. If, as I understand they contemplate ultimately going into law—the opportunities for study here are univalled, and the dutes of the position would not be of so exacting a character as to prevent them from pursuing any studies they desire

"The present Editor of The Magazine. an expert geographer, serves without re muneration, but he finds himself so overburdened with work as statistician to the Agricultural Department that he desires to resign the Editorship He would remain, however, on the Editorial Commit tee and give his active assistance to his successor We are now contemplating the advisability of placing The Magazine in the hands of one only salaried officer. the Assistant Secretary, making him the Managing Editor to get out The Maga zine with the assistance of the Editorial Committee

"I am afraid however, that our present Assistant Secretary would not be competent to conduct The Magazine He is a matried man, and we pay him a salary of \$1,200 a year I have thought that perhaps for the same salary we could secure an unmarried man of superior ability by applying to the Presidents of our universities. Some bright college graduate just beginning life would probably find in this position a stepping stone to something better, and be able, while here, to pursue some postgraduate course of study while earning his lyclihood of the something better.

"Under the proposed plan the members of the Editorial Committee would provide the origi nal material for The Magazine - the Man aging Editor simply ap plying to them for mate rialas needed. The chief duties of the Managing Editor would be the arrangement of the ma terial and the reading of proof-but he must also have sufficient lit erary ability to be able to write himself in an emergency, and suffi cient judgment to use the scissors with dis crimination in quoting from our exchanges Of course in all this he would have the as sistance of the experts upon the Editorial Staff who would always be glad to be consulted Either of your sons would I am sure have sufficient ability for the position but of course I do not know what their present prospects are or whether such an opening would prove attractive to them

We shall make no change for some months yet and in the meantime no harm can come from con

sulting you upon the subject

P S—I forward by this mail a specimen copy of The Magazine

To my twin brother and me who were teaching in New Jersey Dr Bell wrote as follows

MY DEAR FERENDS Will you kindly look over the enclosed communication to your father and let me know whether either of you would consider the proposition to become Assistant Secretary of the National Geographic Society and Managing Editor of The Magazine if such a proposition should be made to you



Photograph by Keystone Underwood

IN RECOGNITION OF YOUR COURAGEOUS AND SKILLPUL WORK

Anne Morrow Landburth rectives from President Gibbert Gross noor the Hubbard Gold Medal Bugbest honor of the National Geographic Society She is the first woman to be awarded the medal. Nine men including Colonel Landbergh has received it for extraordnary geographic achieve ments since it was first struck in 1906 for Admiral Robert E Peary. In the background is the historie flag which has been carried on numerous eyped tions sent by The Society to far places of the world. Its colors are green brown and blue representing the sea the earth and the sky.

I have already spoken of the poverty strucken state of The Society when I first visited its cramped and littered headquar ters. The Society was not so poor as it seemed however, for its management had a revolutionary idea.

Why not popularize the science of geography and take it into the homes of the people? Why not transform The Society's Magazine from one of cold geographic fact expressed in hereoglyphic terms which the layman could not understand into a vehicle for carrying the living breathing hu man interest truth about this great world



Internat onal \cwsree! PRESIDENT COOLIDGE PRESENTS THE HUBBARD MEDAL TO COLONEL LINDBERGH

The presentation of the National Geographic Society's highest award was made in t' Auditorium the National service to the to Paris Ma GEOGRAPHIC MAGAZINE for August 1927)

of ours to the people? Would not that be the greatest agency of all for the diffusion of recoveration I married -- 7

ing to help and give liberally of time and suggestion. To evolve a magazine that would not lower the dignity of The Society and that would win popular support was the task that was entrusted to me

Dr Bell personally for five years con tributed my salary as Assistant Editor and I ditor, making a total gift of \$6,900 to The Society for this pur-

pose The Society was so poor that it could em ploy no clerical assistance, and for a time I was even obliged to ad dress The Magazine envelopes myself. The names of the members were then printed on long slips, and it was the practice to cut these slips up with a pair of scissors and then paste them on the envelope After addressing one edition of 900 copies in this way, my first in vestment in office fur niture was the purchase of an addressing ma

chine for S20 Magazine men who

were consulted said it was impossible to de velop a circulation for a geographic magazine. because the subject of geography was too technical And no doubt this was true, for we should remem ber that at that time geography was to the layman an unknown quantity, and meant boundaries moraines. erosion glaciers wind belts etc

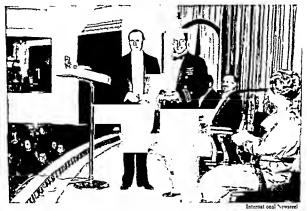
From the very inception of our revolution ary plan a new era in

geographic education dawned The Na tional Geographic Society found the whole world rander to come the zine w

search

those pages brought them From that day to this there has been growth growth

growth Near the end of my first month with The Society, I received under date of April 29 1899 the following letter from Dr Bell



PRESIDENT COOLIDGE PRESENTS COMMANDER BIRD WITH THE HUDBARD GOLD MEDAL

This medal was anarded to Commander Richard Evelyn Byrd first man to fly to the North Pole before a distinguished audience of members and friends of the National Geographic Society on June 23, 1926 (see Commander Byrd Receives the Hubbard Gold Medal in the NATIONAL GEOCHMITTE MAGNISTS for September 1920;

'DEAR MR GROSVENOR

"At the request of the Editorial Committee I wrote to you on March 20, 1899. offering you the position of Assistant Editor of the NATIONAL GEOGRAPHIC MAGAZINE for three months, beginning April 1st stating that a more permanent engagement would be made at the end of that time if the appointment seemed satisfactory to the Committee and to you I am happy to inform you that the Editorial Committee bave been so much pleased with you and appreciate so highly the benefits already derived from your assistance that they consider it unneces sary to wait for the expiration of the three months before making a more per manent engagement with you Hyde on behalf of the Editorial Committee brought the subject before the full Board of Managers at the meeting today and you may be pleased to know that the suggestion of the Editorial Commit tee met with the unanimous endorse ment of the Board and I now have great pleasure in confirming your appointment as Assistant Editor of The Magazine, for one year, instead of three months, dating from the first of April 1899, your salary to be one hundred dollars per month

'I trust that you will accept and that you have as high an opinion of the mem bers of the Board as they have of you

"I have written to Mr Hyde suggesting that your name should appear in the June issue of The Magazine as Assistant Editor under his

"Congratulating you upon the good beginning you have made, and wishing you every success in the future I am

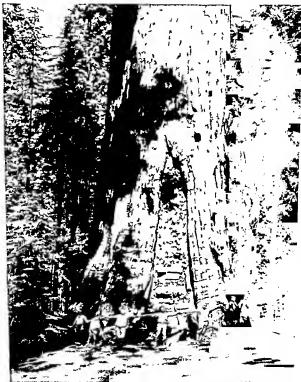
Yours truly,

(Signed) ALEXANDER GRAHAM BELL, President, National Geographic Society'

On the next day I received from Dr Bell's private secretary a note which said

'On Jeaving Mr Bell asked me to say to you that the Editorial Committee passed a resolution giving you great scope in the matter of securing Corresponding Members and pushing The Magazine—therefore go alread and do what you think best in that

THE NATIONAL GEOGRAPHIC MAGAZINE



Photograph by Dr G Bert Grosvenor

GENERAL SHERMAN, KING OF ALL TREEDOM, RULES SEQUOIA NATIONAL PARK
II takes 20 men with arms outstretched to encircle this gunnt tree Dr A E Douglass estimated



THE ARMORY AND SHINAY'S WAR CLUB IN CARLSBAD CAVERY NEW MEXICO

This vast subterrainean chamber is one of the most spectacular understound wonders in America Long Innown locally it was first daslosed to the public through the pages of the NATIONAL GEOGRAPHIC MAGAZINE (A Visit to Caribbad Cavern January 1924 and New Discoveries in Caribbad Cavern September 1925) of the Society sent an expedition to explore the cavern and spectacular nature of the caver for the Cavern control of the Cavern Cavern



THE FIRST PHOTOGRAPH EVER MADE SHOWING LATERALLY THE CURVATURE OF THE EARTH

The unweally interesting photograph of the Ander including Mount Aconergue (efemined by a whit this below the base) at a distance of 387 miles was made from an a pilone at an elevation of 11 100 feet by Captain Stoccus in the course of his camera survey of the Andean Chain for the National Geographic welen in 1930. The mountain range which shows clearly in the photograph, could not be seen by the photographer at the time he made this picture (see Captain Stevens used a lens of The length of the exposure was 1/20th In the foreground is Villa Mercedes Argentina Fink the Hump of the Andes by Captain Albert W Stevens in the National Geographic Maaring for May Olivit focus and an infra red screen which admits to the sensitive photographic plate light that is invisable to the eye Almost exactly in the center of the range Mount Tupungato is distinguished



THE CARAVAN OF DR JOSEPH P ROCK. ESCONTED BY NATIVE SOLDIEKS PAUSES ON THE PLAIN OF CABA ON HIS RITURN FROM THE KONKALING PEAKS OF WILD WESTERN CHINA

The septements had set set end expect tens of the Nat onal Geograph c. Soc ety to I tile kno vareriess of Ch na and Thet. From Burna, he brought back settle of the challmongs tree whose fart yields an of which has proved of value in the treatment of know. His splend dilack and wile photographs and natural color petures of and series on the Yangitz Grege the Devol Dancers and Butter Gods of Choul and the Kang Sungmas of Thiet have appeared from

direction, and if any question arises re garding expense in getting out circulars etc remember you have Mr Bell behind you The point is to materially increase the corresponding membership."

I quote this message from Dr Bell offer ing financial assistance to The Society, be cause it was so characteristic of his generous nature. He was ready to donate thousands of dollars to help. But I begged him not to give a single dollar beyond the \$100 donated monthly to The Society for my salary.

My theory was that if The Society's Magazine was to succeed, we must find out what kind of geographic magazine the public would buy, and that we could not ascend with a smale, and later told me that several years previously, he and Mr Hubbard had expended \$80,000 in a futile effort to establish a popular scientific weekly periodical After two years of printing they discontinued it and sold the name Science which they had bought for \$5,000 to Dr J Mckean Cattell for \$25.5

I have the receipt for the \$5,000 pay ment Dr Bell gave it to me as a souvenir That those early years were times of uphill struggle hard work and vering prob

lems is suggested by other letters

For example, in October the imperative necessity of providing the Secretary s office with further clerical assistance was urged upon the board by the Editor in Chief, Mr John Hyde who added

While The Magazine itself has not suffered in the form in which it is presented to the members of The Society and to the public its preparation has involved upon Mr. Grossenor a strain that nothing but the most intelligent enthusiasm would have enabled him to bear. His untiring energy and single minded devotion to the work of The Society in general and of The Magazine in particular are worthy of the highest praise.

Herhaps I ought to add that I make these strong representations as the chair man of the Committees on Admissions and Publications as a frequent visitor at The Society's rooms and without Mr Grossenor's Anowledge that gentleman being really to work himself to death if need be in the interest of The Society and in the carrying out of the orders of the Board and of its various Committees.

Every dollar was carefully husbanded and stretched like a stratosphere balloon We had one inflexible rule there must be no deficit at the end of the year, and no borrowing

Now The Magazine pays handsome hon orariums for all material used, but in those days articles were solicited gratis

We had some amusing experiences. In the expectation of interesting the schools, we accepted with great enthusiasm the offer of the professor of geography in one of our offest universities to write and donate to The Magazine a series of articles for leachers. The first paper soon arrived I found it exceedingly hard to digest, and took it to Dr. Bell. He confessed that much of it was deyond hun too but as it was sponsored by America's most widely acclaimed geography teacher, he recompended publication.

Soon letters of protest from educators deluged us among them a letter from G Stanley Hall President of Clarke University, one of the most ardent supporters of our project, who swore that if that article was to be the kind of geography we published we had better discontinue our efforts From that day no sentence has found space by The Magazine that could not be reddily

Understood

MEMBERS OF A SOCIETY NOT SUBSCRIBERS

Sought After Alexander Graham Bell had sailed for Europe in June 1900 several members of the Board who had little confidence in Yr Bell's plans began negotiations with a New York publisher with a view to turning The Magazine over to them To explain for Belt's plans and to discourage the ne guitations I wrote Miss Ida M Tarbell a knool friend the following letter on July 25 1900 which I quote in part as it an Swers the question frequently put to us why members instead of subscribers are Sought

DEAR MISS TARBELL

As you are aware during the past 16 months Mr Bell and others have been pushing the Magazine and planning to make it cover a field in which there is no competition to make it The Geographic Magazine of the country reliable and widely read. But The Magazine is to be means to another end which Mr Bell has berefolore and does now 1 bel even consider the most important. By it we

are to build up a great national society with thousands of members. What we want is not subscribers to a magazine but

members of a society

A combination of membership and magraine will be a stronger attraction than a mere subscription to a magazine. Where many persons would not subscribe for the magraine alone, they will become members because they get two things the distinction of membership in a well known society and allow a good monthly journal. Vice versal they would not become members except for the additional privilege of a magazine.

Neither The Magazine nor The Society can stand alone, for each helps the other

In the fall the Hubbard and Bell fami hes are going to put up a memorial build ing to Mr Hubbard It is to be offered to The Society exclusively for its head quarters It is another step in this same direction to make The Society national and not a Washington scientific body It has to become more popular, and hence The Magazine also must become less technical and appeal to teachers scholars thinking men and not to spe cialists alone The Magazine exists not for itself like your Popular Science Monthly but is the means the tool by which ne plan to build a society having thousands and thousands of members and as few subscribers as possible or if we do get subscribers to make them mem bers as soon as possible I hope my idea is clear a great society and a great mag azine is what we want and not a great magazine and a small society

The more I think about it the more convinced I am that if the plans offered you as far as I can gather them from Mr X are pursued the results will be a technical and local society and a good magazine but not a great society and a great magazine The barring from The Magazine of all reference to The So c ety which is contemplated is destruc tive The Magaz ne is the journal of The Society and publishes its proceed ings not often to be sure but it allows 15 to 20 pages a year for the purpose If The Magazine does not have any refer ence to The Society members will drop off and there you are again getting sub scribers and not members This is just what Mr Bell and the majority do not want though certain members with

whom you have been thus far correspond ing want it, and are working for it. They are in the minority however, or will be It happens that they are in the field now I write frankly you see for I want you to know the object of all. A great national society first and all the time. The Magazine is to bring this about and not thwart it. For the present, please consider this letter confidential.

DR BELL HAILS UNPRECEDENTED GROWTH

It should be observed preintetically that magizine men generilly advised against my mention of the National Geographic Society in The Magazine as they thought the public would not be interested in The Society, that mention of The Society would frighten away readers and subscribers. The original conception of The Society and The Magizine prevailed however, and by 1912 Dr. Bell was able to address The Society in these words.

There has never been in the history of the world a scientific society that has in creased in influence and power as the Na

tional Geographic Society

In the year 1888 he continued The Society was organized under a national charter to promote the increase and diffusion of geographic knowledge— Just think what that means! To promote the study of the world upon which we live. A truly great object for a little feeble organization to undertake. At that time we had only about 200 members

The Society had no endownent noth ing coming to it but the membership fees No millionaire has since come forward to help us out and yet today The Society has a great endowment raised by its own efforts—a surplus to be devoted to the promotion of geographic science. We never had to take off our hats to any multimilionaire for having endowed The Society with a million dollars we have done it ourselves.

When I look back upon our early days what a different condition of things prevailed. We had only about a thousand members and The Society was living from hand to mouth. Like many other scientific societes we constituted a strictly technical organization.

We supported the National Geo GRAPHIC MAGAZINE at that time a valuable

* See National Geographic Magazine March 1912 pp 272 276



This is flated Mountin Camp with Mount Merlin in the backgrount. Before the crupton this was a green villey. Myny travelers have camped beside at demp of backet data formed; who is may been filled to be up this picture, but at an electation much lower than the present cuttace for the valley was been filled HEMOCRARITAS OF OM OF THE SOCIETS S SEMFOR MOUNT KAPUM PUPEDITIONS, IN THE VALLEY OF TEN THOUSAND SUGALS.



The colonal communal dwelling was under construction 919 A D, and the settlement had weathed its hereby in 1007. The Pueble Bonico expeditions and another series not only discovered the date of this prehistoric partment knose metropolis of the abortened Southwest, but also developed a tree-my calendar which dated more than 90 other major purple dee "Breryday Life in Pueblo Bonito," by Neil M. Judd, in the Naturosa. Re-Moante for Spigmier, 1925, and "The Secret of the Southwest Solved by Talkatter Tree Ring," by Andrew Ellicott Douglass, December, 1929). American Southwest

technical journal that every one put upon his library shell and few people read. It was valuable, it was important, but it did not contribute anything to the furnical support of The Society.

In spite of the fact that the members of the Board of Managers and all the officers of The Society melading the I ditor of The Magazine served without pay, and in spite of the fact that our lecturers a a rule cost us nothing excepting an occasional honorarium to cover traveling expenses our membership fees was hardly sufficient to pay the printers bill for The Magazine the rent of our lecture hall and the ordinary running expenses of The Society Deficits were by no means unknown

We had no perminent home. Half in office room constituted our headquirters and in shifting from one building to an other as happened more than once a feel ing of unpermanency ensued and valuable

material was in danger of loss

Then the use of the Hubbard Memorral Building was offered to us in nemory of our first president—Gardiner Greene Hubbard—and for the first time we possessed a permanent rubutation that in its beauty spoke of the position to which we aspired But it threatened to be a white elephant for we did not even have the means to provide for its lighting or to take proper care of it.

It became a matter of vital necessity for The Society to increase its membership necessity spurred the Board of Managers into activity and they adopted a new policy unique so far as I know in the his tory of science. I do not know of any other scientific society that has ever adopted it and I do not know of any other society that has succeeded as the National Geo graph c Society has done. Now how was this accomplished?

First of all instead of I miting our membership to atrict geographers we threw open the doors of membership to all who des red to promote the increase and diffusion of geographic knowledge. We had a membership of one thousand in the District of Columbia we had n nety millions of people outside the District of Columbia to whom we could appeal for an increase in our membership but all we had to reach these out 5 de members was our Magazine. Our Washington members enjoyed the course of

lectures, but the outside niembers would have nothing, but a magazine to hold the to The Soclety. The question was How could we hope to interest thousands and th mands of people in a strictly technical geographic magazine?

It was obviously necessary to change the character of The Vagazine and to adapt it to interest a larger circle of non technical mumbers. We adopted this policy with an aim to making The Vagazine support The Society. We did not mean to lower the scientific standard of The Vagazine and make it simply popular, but we wanted a old certain features that would be of in

terest to everybody

'But in Arting out to make a magazine that would support The Society instead of The Society being burdened with The Magazine a man was of the first necessity if we did not get the right man the whole plan would be a failure and I can well remember how our Board of Managers discussed this proposed plan and the difficulty of getting a man and how the idea was laughed at that we should ever reach a mem beership of 10 000. Why it was rediculous Geography the driest subject of all in our schools how could you expect a member ship of 1000 in the United States alone!

At said in the beginning we found in necessary to get the proper man but for tunately we found him. A young man who had made a very brilliant record at Amberst College was engaged as Assistant Editor of The Magazine to stir up these new ideas and to put hew life into the scientific jour nal. But The Society did not have the money to pay his salary that had to be raised by voluntary contributions from in terested members. And so Mr Gilbert H Grossenor commenced his work in 1899 He speedity captured The Society—899 He speedity captured The Society—890 in didentally he captured one of my daugh

Mr Grosvenor in 1900 became Editor and in 1903 D rector of the work of The Society. We have been very fortunate in securing his services and with the intellegent action of an unusually fine Board of Vanagers and the cordual support of the members of The Society has been secured. We have in creased to 107 000 members and we are still on the upgrade. There is no reason to suppose that we are going to stop growing.

"Our Magazine has become the greatest educational journal of the world to thousands of schools There is no reason why the circulation should not increase, and there is no reason why the National Geographic Society should not be placed in possession of an endowment fund for geographic research, of its own making, many times that which it now possesses "

THE GUIDING PRINCIPLES

It might be well to repeat here some of the principles which were gradually evolved and followed in the development of The Magazine

"1 The first principle is absolute ac-Nothing must be printed which is not strictly according to fact. The Magazine can point to many years in which not a single article has appeared which was not absolutely accurate

"2 Abundance of beautiful, instructive,

and artistic illustrations

- "3 Everything printed in The Magazine must have permanent value, and be so planned that each Magazine will be as valu able and pertinent one year or five or ten years after publication as it is on the day of publication The result of this principle is that tens of thousands of back numbers of The Magazine are continually used in school rooms
- "4 All personalities and notes of a trivial character are avoided
- "5 Nothing of a partisan or controver stal character is printed
- "6 Only what is of a kindly nature is printed about any country or people, every thing unpleasant or unduly critical being avoided
- "7 The content of each number is planned with a view of being timely When ever any part of the world becomes promi nent in public interest, by reason of war, earthquake, volcanic eruption etc, the members of the National Geographic So ciety have come to know that in the next issue of their Magazine they will obtain the latest geographic, historical, and economic information about that region, presented in an interesting and absolutely non partisan manner, and accompanied by photo graphs which in number and excellence can be equalled by no other publication *

* See NATIONAL GEOGRAPHIC MAGAZINE MATCH 1915 pp 318 320

In the very first volume of THE GEOgraphic, in 1889, appeared an article by a 33 year-old naval engineer, R E Peary, who was destined to carry the flag of his country to that desolate waste of shifting ice and water at the top of the world which men call the North Pole But the scene of the exploration trip which Peary described in that early Geographic was almost as far away from the Poles as it is possible to get Through tropic jungles he was making his way then "Across Nicaragua with Transit and Machete" was the title of his story

PEARL THE INDOMITABLE

Again and again in these pages the dauntless Peary reappears When many persons were shaking their heads and asserting that mortal man could never reach the Pole, Peary said in an address to the Na tional Geographic Society on November 29, 1902

"It may seem to indicate over confidence to state boldly that the Pole can be reached, and yet it is a fact, even though the struggle has been going on unsuccessfully for years and years Each time we have come a little nearer, each time we have learned a little more, and I say to you here tonight that it is not an impossibility, that it can be done, and that it is no more difficult than many of the great projects that we see being pushed to completion every day and which k, and

ed im placable war upon the pitiless forces of the Arctic and he planned his campaigns like a Napoleon Lightly loaded sledges, swift dogs, hardy Eskimos, a far north base, living off the land-these were elements in his plans

On December 15, 1906, at a meeting of the National Geographic Society, its Hub bard Medal was presented to Peary by the President of the United States, Theodore Roosevelt, in honor of his attainment of

"Farthest North' at 87° 06

A year later, at another meeting of The Society the Hubbard Medal was presented by the Vice President of the United States Charles W Fairbanks, to Captain Roald Amundsen of Norway for his achievement of the Northwest Passage in a vessel and the definite location of the magnetic North Pole

it is significant that both of these awards came before these heroic explorers had achieved the goals of their lives-the North Pole for Pears the South I ale for Amund sen Later The Society awarded in both of them special gold medals for those crown ing achievements but who can say that the recognition of the earlier feats did not hearten and encourage them in the masterly campaigns that finally conquered the Pales?

Years afterward at a banquet of The Society in 1913, these two conquerors of the ends of the earth met for the first time

face to face

Peary, to whose exploration The Society contributed a substantial sum was one of the first to foresee the present era of aerial exploration in which Admiral Byrd also with The Society's aid, has succeeded in flying over both Poles. In his last public appearance as recorded in THE GEO-GRAPHIC for April 1920, Pears said at a meeting of The Society

Coming Polar explorers both north and south are quite likely to use modern means which have sprung into existence within the last few years according to my own per sonal impressions aerial flights

In these early GEOGRAPHICS there stand out clearly too the genius and the vision of Mexander Graham Bell In the June 1903 issue featuring numerous photopraphs of his experimental kites he wrote

I have been continuously at work upon experiments relating to kites Why, I do not know excepting perhaps because of the intimate connection of the subject with the flying machine problem

We are all of us interested in aerial loco motion and I am sure that no one who has observed with attention the flight of birds can doubt for one moment the possi bility of aerial flight by bodies specifically beavier than the air In the words of an old writer We cannot consider as impos sible that which has already been accomplished

A few years later in 1914 we find him not only pred cting that man would fly from America to Europe but asserting that by flying high and taking advantage of eastward winds it might be done between an early breakfast and a late dinner In this the eyes of genius seem to have seen even beyond the stirring realities of our own present day

Calculation shows that our best ma ch nes should be able to cross the Atlantic

I hardly dare in 13 hours said Dr Bell It is suffi to say it aloud for publication ciently startling to know that it is not only possible but probable, that the passage may be made in a single day But if, as f im agine, it can be done in 13 hours you may take an early breakfast in Newfoundland and a late dinner in Ireland the same night

Charles Augustus Lindbergh was a twelve year old schoolboy in Little Falls Minnesota, when the bearded, kindly Dr Bell in this address printed in full in Tite Geografitte was telling the graduating class of the Triends School in Washington that a flight to Furope in a single day was not only possible but probable and was opening their eyes to other challenging de-

velopments of the future

Did you ever put your head under water and chuck two stones together to see what the sound is like? he asked the boys

Three-quarters of the earth's surface is under water and has not yet been explored

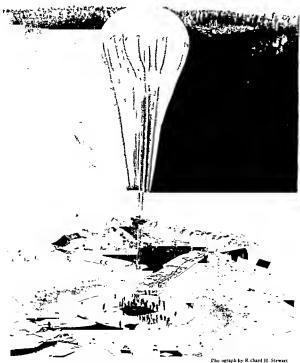
at least to any great degree
Why should we not send down a sound instead (of a sounding line) and listen for an echo from the bottom? Knowing the velocity of sound in water and the time taken for the echo to reach the ear we should be able to ascertain the depth of the deepest part of the ocean in less than four seconds instead of more than four hours Here is something worth doing It has never been tried. I have suggested it a number of times

Today the floor of the ocean is being systematically mapped and drowned moun tain peaks and valleys discovered by just Huge liners from such a some sounder Europe nearing North America spot their position in heavy fog by feeling out familiar landmarks -hills and canyons on the floor of the sea-with the formless fingers

of sound and echo

In these old Geographics are reflected the expanding horizons and broadening in terests the new inventions and technical progress which marked the merging of the nmeties into the twentieth century

The modern arts of photography and photo-engraving were just beginning in 1899 and The Magazine began to employ them on a hitherto unheard-of scale 1901 it noticeably increased in stature with larger pages and two columns of type as at present instead of a single wide column 1902 appeared an article by Sir Henry M Stanley on A Great African Lake Vic



THE EXPLORER I POISED FOR ITS CLIMB INTO THE SKIES

At dawn on July 28 " under the balloon was about ready to take from the upper caterary under after the balloon was taken these ropes and the balloon was taken these ropes and the balloon dawn and the balloon was taken these ropes and the balloon was dawn and the balloon was about ready to make a first the balloon was a first the bal

One of the highlights of 1903 was Dr Bell's paper on 'The Tetrahedral Principle in Kite Structure," indicative of The Society's deep interest in aviation, which it has encouraged from the days of Lites and crude "aerodromes" to the present era of aerial exploration and penetration of the strato-phere by grant balloons

A HANDSOME NEW HOME GIVEN THE SOCIETY

In September, 1903, The Society moved from rented quarters into a handsome new structure, Hubbard Memorial Ifall, presented to it by the Hubbard and Bell fami hes Deposited in the cornerstone was this document, written by Dr Bell

'This building is erected in memory of Gardiner Greene Hubbard by his children, Gertrude, Mabel, Roberta, and Grace Gertrude, being no longer living, is repre sented by her only child, Gertrude, daughter of the late Maurice Neville Grossmann, and Roberta, being no longer living, is represented by her surviving children, Flelen and Grace, daughters of Charles James Bell

'The library is the gift of Virs Gardiner Greene Hubbard, who joins her children in establishing this memorial to her husband

The building is designed to be the home and headquarters of the National Geo graphic Society, of which Mr Hubbard was President from the date of its organi zation, January 20, 1888 to the day of his death, December 11, 1897

'The hox containing this document and other papers and coins will now be sealed and deposited in the cornerstone of the Hubbard Memorial Building in the presence of Mrs Gardiner Greene Hubbard and all the surviving descendants of Mr Hubbard, together with a few personal

'The cornerstone will be laid by Melville Bell Grosvenor, the infant great grandson of Gardiner Greene Hubbard, in the arms of Mrs Hubbard

'Witness our signatures this 26th day of April, 1902

GERTRUDE M HUBBARD (MRS GARDINER GREENE HUBBARD)

Children

MABEL GARDINER BELL AND HER HUS BAND ALEXANDER GRAHAM BELL GRACE HUBBARD BELL AND HER HUSBAND CHARLES J BELL

Grandchildren

GERTRUDE ITUBBARD GROSSWANN

I LSIF MAY BELL GROSVENOR AND HER HUSBAND, GILBERT II GROSVENOR

MARIAN II GRAHAM BELL HELEN A BELL

GRACE HUBBARD BELL GARDINER HUBBARD BELL BOBBA BELL

Great Grandchild

MELVILLE BELL GROSVENOR (X) His Mark"

Believing that The Society was now surely set on the path to success, Dr Bell asked in October, 1903, to be relieved of the presidency. But he continued an active and most inspiring member of the Board of Trustees and a constant contributor of articles and suggestions to The Magazine until his death in August, 1922

Charles James Bell, whose wife and daughters contributed one-half of the cost of Hubbard Hall, was the first cousin and brother in law of Alexander Graham Bell He was the first Treasurer, 1888 1890, and Chairman of the Finance Committee of The Society from 1900 until his death in 1929 Ever ready with wise counsel he was a staunch friend

In 1905 two happy events took place First. I was able to offer the following resolution to the Board, to which I had been elected in January

*Resolved That the National Geographic So ciety, through its Board of Managers thank Dr Bett for his generous subscription to the work of The Society from 1899 to 1904 and inform Dr. Bell that The Society is now on such a substantial basis that it can relieve him of his subscription for 1905 "

Thus Dr Bell was reheved of his gener ous donation of \$100 per month which he had made for my salary from April 1, 1899 His total gift for this purpose was \$6,900

Second, in my search for an associate to help me carry forward the promising future, I was fortunate to discover John Oliver La Gorce, since 1920 the Vice President of The Society I recommended his appointment to the Board as Assistant Secretary and on September 19, 1905, he was engaged at \$60 per month and he commenced work on September 22, which was his 25th hirthday Of his brilliant part in the building of The Society I speak on page 10

The Magazine's development went for ward apace Peary on the North Pole Talt on the Philippines Gifford Pinchot on conserving our forests
—these mark some of
the issues of thirty
years ago

Taft was to write many more articles for The Magazine, to ac cept membership on The Society's Board of Trustees in 1918, and to continue an active and constant attendant at its meetings until his death in 1930

"PERDICARIS ALIVE OR RAISULI DEAD'

When a Moroccan chieftain kidnaped an American engineer and the United States Gov ernment dispatched its famous ultimatum. "Perdicaris alive or Raisuli dead, THE GEOGRAPHIC was on the joh, and in 1906 published the complete story hy the Lidnaped man, Ion Perdicaris Members who perhaps had pictured Raisuli as a crude bloodthirsty ruffian learned that he was gracious and dig miled a man of fine presence and as bu morous and outck at repartee as though he had been born in County Galway

'He could not bear to hear a child cry,

wrote Perdicaris "while on several occa sions I noticed his care to avoid allowing the bees collected on his cup to drown as I saw him lift them out with his spoon or finally empty the cup itself on the grass

In this same year 1906, appeared the first of Mr Shiras remarkable flashlight photographs of wild game and in 1907 Trie Geographic published among other articles Dr Bell's famous paper on Verial Locomotion An Awakened Continent to the South of U.s. by Flihu Root the Secretary of State and Our Heralds of Storm and Flood The pictures were improving and libe articles too



COLUMNISTS OF THE LOWER DEPTILS

Dr. William Brebe (right) and Otta Barton are back, on deck after their worlds record due of 3028 feet off Bermuda. The United States and the National Geographic Society flags carried down on mans deepest plunge are attached to the cable as they were during the descent (ee A Half Mid Down by Dr. William Beebe in the NATIONAL GEOGRAPHIC MICAGINE, for December 1938.

Some of the diverse elements that the American meltung pot has fused into one people were shown in a series of photographs of immigrants landing at New York. Still wearing their picture-sque native costumes, the dress of field or fen or forest, they look surprised and mystified at the wonder that was New York even then. There are Rus saan Cossacks with kinnes in their belts Romanian shepherds in white peasant garb, a German family of one daughter and seven sone a Scottish family of seven daughters and four ons. Here is America in the making and out through the country to-day are hundreds of their descendants.

In December, 1907, another young man George W Hutchison age 21 journed the staff Indefatigable unselfish and intelligent he gained promotion to Associate Secretary Acting Secretary Secretary and member of the Board of Trustees (see also page 11)

One of the highlights of 1909 was the publication of The Panama Canal by Lieut Col George W Goethals builder of the mighty ditch which altered geography dividing the land and uniting the world

Because of The Society's extraordinary growth it was announced in The Maga zine for May 1909, that the unimproved property on Sixteenth Street adjoining Hubbard Memorial Hall had been pur chased for \$11,000 to make room for expansion

Publishing side by side the first reports by Commander Robert E Pears and Dr Frederick A Cook both claiming discovery of the North Pole The Society stated fore the National Geographic Society can however accept the conclusions of either Commander Pears or Dr Cook that the North Pole has been attained it will be necessary that the scientific records and data of each explorer be carefully examined by its Committee on Research or by some body or commission acceptable to the Peary submitted his records They were examined by a Committee of the Board comprising Henry Gannett Chief Geographer of the United States Geological Survey O H Tittmann Superintendent of the United States Coast and Geodetic Survev and Rear Admiral Colby M. Chester former Superintendent of the United States Naval Observatory

On their recommendation a special gold medal was awarded to Commander Peary for discovering the Pole on April 6 1909. The National Geographic Society's championsh p of this noble American naval officer who was treatted as shamefully as Columbus will always be a glorious chapter in the history of our Society. Consult the many references to Peary in this index

FIRST COLOR SERIES IN 1910

Important indeed in the history of the NATIONAL GEOGRAPHIC was November 1910 for in that number appeared The Magazine's first series of illustrations in color incidentally the largest collection of photographs in color which had ever been

published in a single issue of any magazine Scenes in Korea and China' the 24 page senes was called Reproducing them cost several times as much as an ordinary issue but had been made possible by expanding membership and advertising receptis

Varied and highly interesting had become the contents of The Geographic now. The house fly and charging rhinos fishes that carry lanteris. Labrador and Laberia Yesi can volcanoes and Holland cheese—all these and many more subjects found a place between its yellow covers in this eventful year.

Taming the Wild Blueberry and The Wild Blueberry Tamed by Frederick V Coville gave the first popular accounts of life-long researches by the author that have

created a new industry Leafing through these volumes toward the present it grows harder and harder to turn the pages rapidly the pictures and articles are too arresting. Wild Man and Wild Beast in Africa by Theodore Roosevelt Honorary Member of the National Geographic Society Repules of All Lands by Raymond L Ditmars About Ants and Their Resemblance to Man by Dr William Morton Wheeler The Grandest and Most Mighty Terres trial Phenomenon The Gulf Stream John Ell ott Pillsbury U S Navy (Akeley writes on elephant hunting with rifle and camera James Bryce joins the list of Geographic authors

PIPTY COMMON BIRDS IN COLOR

June 1913 was a notable number. In it were publ shed in full color the portraits of fifty common birds from paintings by Louis Agassax Fuertes. The series forerun ner of many bird paintings to be published in The Geographic was made possible by a marked increase in The Magazine scruciation. In 1913 The Society was able to erect a new building to house its expanding activities.

Events now were moving toward the fate ful year of 1914 and in the August Magazine the very month in which the conflation began THE GEOGRAPHIC ISSUED as a support of the state of Europe in colors including the new Balkan States. In explanation, I should state that the previous summer 1913 I was caught in a war scare in Europe and for several days was unable

to get money from the French bank Every one on the Continent was so certain of an impending war that on my return to Wash ington I arranged to have a European map prepared, engraved, printed, and stored in The Society's cellar until the outbreak of hostilities For eight months we held 300,-000 copies of this map, awaiting the in evitable conflict

"The eyes of the civilized world are now focused upon Europe and the stupendous war there beginning," said a brief article announcing issuance of the map map will prove of much value to the mem bers of The Society who wish to follow the series of military campaigns that it is feared will be without parallel in history' Accompanying tables gave the size of the armies and navies of Europe This was fol lowed in succeeding months with articles on each of the embattled powers

When The Society's membership passed the half million mark, the Board of Trus tees presented to the Editor the following certificate, which was written by Gen John M Wilson, previously Chief of Engineers

of the U.S. Army

"Resolved, That the thanks of the Board of Managers of the National Geographic Society are hereby tendered to Gilbert H. Grosvenor, Director and Editor of the So ciety, for the superb work he has accomplished within the past eighteen years in bringing our Magazine to the present promment position it holds among the publica tions of the Nation and in raising the num ber of our members from about one thou sand to nearly six hundred thousand

Honorable in every sense highly accomplished, true in every relation of life, Mr Grosvenor is admired by us, not only for his literary ability, industry and skill as an editor but for all his attributes of a true gentleman and scholar

We wish for him long life, health happy ness and prosperity and that Heaven's choicest blessings may be showered upon him and the loved ones of his family

Resolved That the foregoing resolu tions be handsomely engrossed and framed signed by the members of the Board of Managers of the National Geographic So ety and presented to Mr Grosvenor with se sincere regards of the members of our oard

John M Wilson Brigad er General U S E Pillsbury Rear Admiral U S N C M Chester Rear Admiral U S N , T L Macdonald, A W Greely, Major General U S A Henry F Blount, Alexander Graham Bell Jino Joy Edson Frederick V Coulle Geo Ous Smith George R Putnam, Charles J Bell James H Gore George Shiras Jd Frankin k Lane, Henry Willey S N D North R Distable North White S N D North Rudolph Kauffmann C Hart Merriam David Fairchild Grant Squires O P Austin Secretary, O H Tittmann President Washington January 17, 1917'

WAR UNROLLED MAP OF WORLD

"The Civil War," wrote Emerson, "unrolled the map of our Union and hung it in every man's house"

So it was again in the World War, on a To show its members where bigger scale in Europe mighty armies were locked in conflict, The Society in 1918 issued its fa mous Map of the Western Front which came instantly into demand all over the

No hasty summary can do justice to the activity of The Geographic in those war years One must glance through the issues themselves to appreciate it. In them stirs the tenseness, excitement, and patriotism of history's most awful war, a war in which millions of Americans found a new and very personal interest in the lands across the seas and in such prosaic but vital things as how the world is fed and where it gets its steel and coal

THE GEOGRAPHIC'S first Flag Number, in October, 1917, received the praise of President Woodrow Wilson, and the second Flag Number, in September, 1934, with its reproduction of 808 of the world's flags and emblems was an even greater publication achievement, forming the most compre hensive picture gallery of flags ever pub

lished in full color

An article on 'Our State Flowers, with paintings by Mary E Eaton was printed in 1917 with the result that nearly a score of States have since adopted State flowers by legislative action

Immediately after the war, in May, 1919 THE GEOGRAPHIC'S important series of articles on the States of the Union was launched with Dr La Gorce's story on The Industrial Titan of America -- Penn

sykania

One of the most popular of all the GEO GRAPHICS was the March 1919, number, devoted entirely to the dog "mankind's best friend ' and splendidly illustrated from paintings by Louis Agassiz Fuertes Through the months and years that fol

lowed, similar triumphs were achieved by numbers dealing with horses, cattle, deep sea fishes, birds, wild animals and other in teresting creatures. From living models the intricacies of fin, feather, and fur, of leaf and petal were portrayed by the able brushes of Edward Herbert Vinner, Hashime Viurayama William Crowder, Allan Brooks Mary Eaton, Else Bostelmann and Mr. Fuertes. To preserve and make more widely available these color plates and levt material The Society publishes its Nature Library, which now comprises ten volumes.

The spirit of romance and adventure be hind the story of geography was admirably caught by N C Wyeth in his series of mural paintings on Discovery for The Society's headquarters, and reproductions of these were distributed to members as supplements. At the same time, J R Hildebrand in a series of articles set forth the personalities and the achievements of those courageous men who filled in huge gaps on the map of the world in the Age of Discovery—Columbus Vasco da Gama, Ma gellan Marco Polo, etc.

AGE OF AVIATION' IN THE GEOGRAPHIC

But if one theme more than another has dominated the pages of geographic bistory since the war that subject is flying for the present decades are truly an Age Aviation in which man has learned to use his wings and with them to widen his horizons in every direction. To this remarkable advance the titles of articles in post war Geographics form an interesting key

Aerial Conquest of Mount Fierest Air Adventures in Peu America from the Air (a unique series of photographs by Captain Albert W Stevens). The Arctic as an Air Route of the Future by Ulhjalmur Stefansson Ballooming in the Strato-phere, by Auguste Piccard By Seaplane to Six Continents by Commander Francesco de Pinedo Canada from the Air First Flight to the North Pole Conquest of Antarctica by Air and Our Transatlantic Flight by Rear Admiral Richard Evelyn Bird Exploring the Earth's Stratosphere and Exploring the Earth's Stratosphere and The Non Stop Flight Veross America by Lieut John & Macready

Exploring the Stratosphere Flying the Hump of the Andes Exploring the Valley of the Amazon in a Hydroplane Photographing the Eclipse of 1932 from the Air by Captain A W. Stevens Lighting Insects

with Airplanes, First Airship Flight Around the World (Dr Hugo Eckener tells The Society about it), Flights from Arctic to Equator, by Walter Mittelholzer, Flying Around the North Atlantic, by Charles A Lindbergh and Anne Morrow Lindbergh, Flying Over Egypt, Sinai, and Palestine Flying the World's Longest Air Mail Route, From London to Australia by Aeroplane. by Sir Ross Smith, How Latin America Looks from the Air, by Major Herbert A Dargue, Into Primeval Papua by Seaplane, On the Trail of the Air Mail and Looking Down on Europe, hy Lieut J Parker Van Zandt, Man's Amazing Progress in Conquering the Air, by J R Hildebrand Navi gating the Vorge from Rome to the North Pole and Beyond by Gen Umberto Nobile On the Wings of the Wind (in motorless planes) by Howard Siepen, Our Conquest of the Pacific by Kingsford Smith and Ulm Seeing America from the Shenandoah

President Coolidge Bestows Lindbergh Award Seeing America with Lindbergh To Bogota and Back by Air, by Charles A Lindbergh Seeing the World from the Air, by Sir Alan J Cobbam Seeing 3 000 Jears of History in Four Hours by May nard Owen Williams Skypaths Through Latin America by Frederick Simpich Un explored Philippines from the Air

This is only a partial list, but what a thrilling story it tells of achievement in the air, and what an aviation library of first hand stories by the famous flyers them selves these volumes form!

During the last few years too flyers have gained the lion's share of The Society's covered rouedals awarded for outstanding reographic accomplishments. Seven of the last eight medals have gone to a viators and the last two have been won by women flyers. The complete hist of medals presented by the National Geographic Society at memorable special meetings which were honored by the presence of Presidents Theodore Roossvelt Taff, Wilson Coolidge and Hoover and are all recorded in The Society's Magazane is given in the index

Glancing back through these 36 years of Grockaphiles one sees how the growth of The Society has coincided with the growth of a mational and international viewpoint. The eyes of the average man were turned with new interest toward the I oles when explorers stroke to conquer them toward the acquisitions of the Linted States in the

Spanish American War, toward Central and South America with the construction of the Panama Canal, toward the expansion in the West, toward Europe with the World War, and latterly toward the whole world, now that man has wings and the globe has greatly shrunk as measured in the time it takes to travel over it

Throughout this entire period The So ciety has sought to present articles and pic tures of a type to interest and inform the average intelligent man and woman growth in circulation from a paltry 165 to more than a million families is due in large part to this program

INCREASE IN MEMBERSHIP DUE TO CO OPERATION OF MEMBERS

We promised original members, if they would help to increase the number of mem bers and thereby increase the funds avail able for obtaining material, that we would give them a better Geographic Magazine

Our promise was "Increase our circula tion by getting us new members and thus increasing the funds available for investment in The Magazine and we will give

you a better Magazine" The members responded generously, and that we kept our promise is evidenced by comparing the successive volumes of The Magazine and consulting the duration of

membership In size as well as quality The Magazine has grown year by year The 12 issues for 1934, with 1,582 pages, form the fattest volume of all, and January June, 1935, with 800 pages, outstrips any previous six

months period All over the world go these beautifully printed yellow covered Geographics One member's copy travels first by train, then by mighty ocean liner, by upriver sampan, by coolie courier, and finally by camel caravan to interior China Other prosaic stencil record cards are magic keys to a monarch s gold bedecked palace in India, a South African ostrich farm a tea plantation in Valaya a jungle settlement among wild rubber trees of tropical Amazonia

The tables on pages 14 and 15 show the geographical distribution of The Society's million members and the ratio of members to the population of each State

I rom this vast host of members every I where come hundreds of letters bearing wit , ness to the influence of The Society, which soon will observe its 50th birthday

"Whenever things get in a rut, life seems dull, walled in by monotonous repetitions or filled with perplexities, I pick up a NA TIONAL GEOGRAPHIC, sit down and go traveling," writes a housewife "I come back refreshed, enlightened, and more conscious of the fullness of life-and we are very likely to have something different for dinner that night"

"Father reaches for THE GEOGRAPHIC first, he says it gives bim adventure and business perspective," writes another mem ber "Mother uses it for preparation for her woman's club-if the children have not grabbed it for a school assignment"

"I need my Geographics to interpret world news, to make these happenings seem

real," writes a third

"The most valuable bequest we have recerved this year," says a letter from a school principal, was a set of bound volumes of the National Geographic Magazine, extending back 15 years

"Though some were worn from much use, the member apparently having loaned them frequently, we were glad to receive them because we had tried in vain to obtain some issues, and prices quoted on others by rare book dealers were so costly they were probibitive "

"Schools require no introduction to the NATIONAL GEOGRAPHIC," observes the Minnesota Journal of Education "The

on bistory, science, and fiction "

From a member in Ireland comes this 'Need I say that I would sooner starve than go without my NATIONAL GEOGRAPHIC We have nothing on this side of the Atlantic that can touch it "

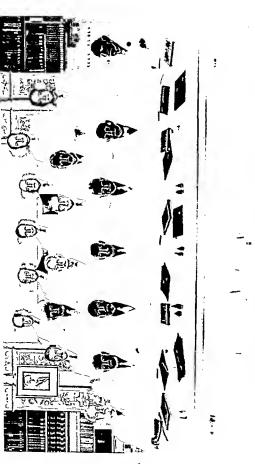
A letter from a small Massachusetts town brings the annual dues and this con fession "The discontinuance of my mem bership was a sad mistake, which I have sincerely regretted during these dull days of depression I have missed the bright color of your Magazine with its pictures of what is happening around the world bave found that economy of dollars and cents is no compensation for the rejection of worth while things"

A missionary in Africa writes It would be impossible to overestimate the joy as well as benefit that we isolated missionaries derive from The Magazine, and not only the missionaries but also our people?



TRACTOR TREADS IN THE POOTPRINTS OF MARCO POLO

With the Hanel Trans Actor Expedient free to cross 4 or 5 motorizar word Dr. Algorization with the Hanel Trans Actor Expedient free for the Society's foreign redictrial and Defense the foreign redictrial barriers from Syra to Chan in the mostle—April 1911, for February 1922. A which of photograph the first in minimal correction while depending the short properties of the expedition of the Array and any analysis of the first in the mostle—April 1911, for February 1922. A which of photograph the first in matural color of they can will only be a subject of the cross-first and photograph of the cross-first properties of the capacitation and the control of the control of the capacitation and the capac



I botograp h by Charles Martin TRUSTEES AND OFFICERS OF THE NATIONAL GEOGRAPHIC SOCIETY IN 1930

John Oliver La Gorce (Vice President), Mr Chief Justice Charles Evans Hughes Howard Taft) Calvin Coolidge O P Austin C M Chester Grosvenor (Smith Dr. A Foote Ca

Other expressions, taken at random, say "No one can possibly get more for their money, anywhere in the world, than for the contents of your monthly issues of the Na TIONAL GEOGRAPHIC"

"I find that copies never grow old in in terest, a rarity among magazines"

A WORLD OF "INFINITE VARIETY"

I am often asked, "What will THE GEO GRAPHIC do when subjects of geographic in terest have been exhausted? My myari able reply is, 'Our world contains an infi nite variety and an inexhaustible reservoir of geographic material of ever surprising in terest, if we have but the wit to see and in ternret it "

For "armchair traveling' there is no sub stitute for THE GEOGRAPHIC quick communications link all nations now, so that every man's interest in other parts of the world steadily increases The day when history was formed by events that could be localized is gone News and thoughts are now exchanged among nations almost instantaneously, so that the whole world is sensitive to important events in any of its parts. The epic story of these parts -and their ever-changing human and eco nomic geography—is told in the Geo GRAPHIC MAGAZINE

'Of all sciences," wrote Joseph Conrad in THE GEOGRAPHIC, "geography finds its origin in action, and, what is more, in ad-

venturous action

The volumes to which this Cumulative Index is the key, tell, subject by subject, the story of geographic action for the last 36 years

THE SOCIETY IS THE PRODUCT OF MANY

The gratifying progress of the National Geographic Society has been possible be cause of the happy and harmonious unity of action which has ever animated the Board of Trustees and executive staff in carrying out the altruistic purpose and ideals of The Society Of course, no mem ber of the Board of Trustees or of the staff can ever acquire a financial interest in the National Geographic Society or Its Maga zine, nor when he severs his connection with The Society can be carry with him, or be queath a tangible asset to represent his years of service with the organization

The National Geographic Society staff

by operating The Society on sound business principles, and combining sagacity and energy with literary skill and patient re search work, is enjoying hugely the rich experience of creating, and endowing in its own lifetime, a unique educational in stitution

In conclusion. I desire to place in this record tributes of respect and admiration to Vice President John Oliver La Gorce, Secretary George W Hutchison, and the late John Joy Edson, Treasurer of The Society from April I, 1901, to July 15, 1935, tbat, on behalf of The Society and Board of Trustees. I presented to them at notable special meetings held in their honor others have served The Society ably and long

There is space to mention only those of

10 years' service on The Magazine

Ralph A Graves, ingenious and capable Assistant Editor from April 1, 1916, until his lamented death, September, 1932

J R Hildebrand, Assistant Editor, since February, 1919, gifted writer and discern

Franklin L Fisher, Chief of Division of Illustrations, since December 1, 1915, who

search Division, since April 1, 1914, author of many outstanding studies

Maynard Owen Williams, erudite Chief of Foreign Editorial Staff, since June 1,

Frederick Simpich, Assistant Fditor, who while a Foreign Service officer in Turkey. Merico, and Germany, contributed many eggent articles to THE GEOGRAPHIC

Albert H Bumstead, Chief Cartographer

since 1915 (see page VII)

Charles Martin, Chief of Photographic Laboratory, since 1915, specialist in color photography

McFall Kerbey, competent Chief of School Service since September 10, 1920

Melville Bell Grosvenor, Assistant Edi tor, alert and industrious, the fourth gen eration of his family privileged to serve The Society, since September, 1924

ADDRESS BY GILBERT CROSVENOR AT THE ZITH EDITORIAL PIRTHDAY CILFPRATION OF DR JOHN OLIVER LA GORCE, NOVEM RFR 5. 1936

We have assembled to celebrate the completi in of 25 years distinguished service for the National Geographic Society by Dr John Oliver La Gorce Often we have greeted with appliance men who, in their search for new knowledge, have carried the banner of The Society to remote places, to the Poles, to Alaska, to China, South America Equally worthy of recognition and honor is one who has given a quarter century striving mightily and brilliantly to help create this great organization, which supports the explorers, arouses public sentiment to the importance of their work, and makes the reports of their discoveries avail able to the public

When our guest of honer, Dr John Oliver La Gorce, joined the staff of the National Geographic Society, 25 years ago it was a small organization of only 10 000 But his responsive nature and keen intellect recognized the possibilities ahead for the National Geographic Society, and his generous heart was stirred to identify his life with a work that promised to promote effectively the welfare of mankind

In everything The Society has done since, he has been identified. Many of our use full and interesting projects he originated. He has labored with love and ceaseless energy to help develop the origination and bring it to the dignified position it now holds in the life of our country.

The National Geographic Society, is the product of many minds and of much labor of many men and women, but it is a conservative statement that without the power ful assistance of John Olive La Gorce's personality, its gratifying progress would have been impossible

As evidence of appreciation and encour agement, and in confident hope that the National Geographic Society may benefit for at least another quarter century from his midefatigable energy, altrustic ideals and wide experience, the Board of Trustees present to him this Globe Atlas of The World on which has been inscribed the following

JOHN OLIVER LA GORCE

BOARD OF TRUSTESS OF THE NATIONAL GEOGRAPH & SOCIETY N RECOGN TION OF TWENTY F VE YEARS OF 0 ST NOU SHED SERVICE TO THE SOC ETY

NOVEMBER 5 930

ANDRESS DI GILDLET GROSVENOR ON THE OCCASION OF MR GEORGE W HUTCHI-SON'S 23TH ANNIVERSIRE WITH THE NATIONAL GEOGRAPHIC SOCIETY, DECEMI-RER, 1932

The first of this month marks the completion of twenty five years of devoted and remarkably efficient service to the National Geographic Society by our resourceful colleague, George W. Hutchison

We who are so closely associated with him—Mr Edson, Dr La Gorce, Dr Coville, and myself, for the entire period—have desired to signalize the anniversary of the happy day when he joined forces with us in some manner agreeable to him

Because of his modesty, we all are aware that he would be most comfortable if we allowed the event to pass unnoticed, or ar ranged for him to slip off for a few extra hours to the famous Hutchison ducking camp on the Potomac

But our hearts would not be content unless we were granted an opportunity at together to express our united esteem and affection for George Hutchison personally and to place on record some recognition of his notable, his invaluable part in the building of this institution to which we all devote our energy and strength

Every large organization must have one officer who delights in detail and has an extraordinary capacity for it, and whose duties require him to say to his associates "No" 98" times and "2.5" once "Sumeriums this official becomes austere, harsh, and crabbed From him his associates are apt to shy

But twenty five years of serving as buffer against aggressive contractors and making business decisions have only increased the warmth of George W Hutchison's distinctive and attractive personality

Ever vigilant and alert for any mechant cal or human improvement that will ad vance The Society's membership interests, always alert for any trespass on The Society's rights, tenacious, straightforward, prudent, George W Hutchison continues always cheerful genial, and cordial, sym pathetic and wise firend, whose counsel every one of his fellow workers seeks when perplexed ADDRESS BY GILBERT GROSVENOR AT THE TESTIMONIAL DINNER BY THE CITIZENS OF WASHINGTON, D C, IN HONOR OF JOHN JOY EDSON IN CELEBRATION OF HIS SEVENTY FIFTH BIRTHDAY, MAY 17, 1921

Several years ago ex President Taft, on arriving at the auditorium where he was to read an address to the members of the National Geographic Society, discovered that he had left his reading glasses at home Perhaps some of you were there and remember the jolly fifteen minutes that followed. The ushers passed hats while Judge Taft asked for volunteers to lend their spectacles. Every lady and gentleman in that audience seemed to be wearing glasses of some kind that night, judging from the hears which reached the platform.

Mr John Joy Edson was present, and in typical Edson manner was among the first to volunteer After trying a number of spectacles Judge Taft hooked Mr Edson's over his ears and they fitted perfectly, and

the lecture proceeded

Those of us who bave had the wonderful good fortune to be associated with you, Mr Edson like to recall this little story. It was so characteristic of you. Whether the matter is trivial or important, you are all ways eager and alert to lend a hand, and

you are always effective

Probably you have forgotten the incident, as you have a bousand other friendly acts, for alter every good turn you shake that great, big head of yours and all remem brance of your own kind deeds fades out of your mind just as a duck shakes the water off its back, and you march on, intending to find another opportunity for service

The members of the organization which I have been invited to represent are most mindful of what you Mr Edson have done for it and our affection for and gratitude to you are very deep. It is just twenty years since a notable company of explorers scientists, and educators gathered in the home of Alexander Graham Bell were sorely perplexed. They believed they had a plan for developing an organization that if realized would render immense service to mankind by making people acquainted with each other, and thus overcoming that an cient and unfortunate human prejudice which calls all unknown people barbarians We needed for a balance wheel a Treasurer who possessed vision as well as business acumen. How well I temember our relief

and joy when Dr Bell, then President of The Society, suggested your name, and you accepted The Society was rather small in those days (April 1, 1901), twenty five hundred members in all, and the paid staff consisted of two persons!

As we had expected when we persuaded you to accept the post as a labor of love, you unitated policies that have been important in its growth and success and, largely as a result of your wisdom and un swerving cooperation, there has been created in the Nation's Capital an altruistic educational institution whose beneficent in fluence extends throughout the entire globe

Today in every hamlet of twenty five white people in the United States there is at least one representative of The Society who is giving to his community the benefit of the knowledge which he receives from The Society's journal, and seven hundred thousand members, distributed in every part of the United States of America, glow with the realization that each is an active and equal part of a great social institution which makes the world better by enabling its inhabitants to become acquainted with, and thus appreciative of, one another.

The previous speakers, Vir Edson have referred to many of your contributions to humanity in the Nation's Capital, but we venture to believe that none is cherished in more hearts and in such distant lands as your prominent intellectual part in the building of the National Geographic Society PRESIDENTS OF THE NATIONAL GEOGRAPHIC

SOCTETY

GARDINER GREENE HUBBARD 1888 1897 (January 27, 1888—died December 11, 1897)

ALEXANDER GRAHAM BELL, 1898 1903 (January 7, 1898—resigned October, 1903) W. J. McGee, 1904 (March 5, 1904—

April, 1904)

GROVE KARL GILDERT, Acting President, 1904 (W. J. McGee moved to St. Louis in April 1904)

April 1904)
Willis Moore 1905 1909 (January 27, 1905—resigned December 1909)

HENRY GANNETT, 1910-1914 (January 19, 1910—died November 5 1914)

19, 1910—died November 5 1914)
O H Tittmann 1915 1919 (Januar)
20 1915—resigned April 1919)

John F Philipper 1919 (April 1 1919—died December 29 1919) Gilbert Grossfrog 1920 (Januar) 2 1920) MEMBERS OF THE PORED OF TRUSTERS (ICRNIELL CALLID FORD OF MANAGERS) OF THE NATIONAL CLOCKAPHIC SOCIETA, WITH AT US OF TERCTION TO LOURD AND VEAR OF RETIREMENT BECAUSE OF FRATIE OR RESIDNATION

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Alabama	0دئے4	New Brunswick	860
Arizona	3,364	Northwest Territory Nova Scotia	35 1,418
Arkan.as	2,404	Ontario	15,136
California	92,905	Prince Edward Island	133
Colorado	9,032	Quebec	7,078
Connecticut Delaware	18,300 2,249	Saskatchewan	1,944
Florida	10,197	Yukon Territory	93
Georgia	6,268	Total	37,127
Idaho	3,730	10131	37,141
Illinois	49,678	Central America	
Indiana	16,548	Costa Rica	208
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Missouri	16,315	Argentina	2,454 138
Montana	5,064	Bolivia Brazif	2,181
Nebraska	8,516	Chile	776
Sevada	1,228 5,286	Colombia	512
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New York	120,761	Paraguay Peru	542
North Carolina	7,580	Uruguay	229
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Oregon	13,989	Total	7,696
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Portugal	561		
Romania	243	New Zealand	
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Photograph by Edu a L. W

ALL WHO ENTER ITS PORTALS LEAVE WITH A GREATER KNOWLEDGE OF THE WORLD AND PROPIES

Snow-riched branches frame the Bummated facade of the executive and editorial offices of the National Geographic Society on Suttenth Street in Washington D C. Here in 1918 will be observed the Ball century assumersary of The Society whose million members result in every eviluacid community of the world

NATIONAL GEOGRAPHIC MAGAZINE

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- Hunting an Observatory A Successful Search for a Dry Mountain on Which to Establish the National Geographic Society's Solar Radiation Station By C G Abbot Vol L, pp 503-518, 13 ills, 1 quarter page map, Oct, 1020 15c.
- Measuring the Sun'a Heat and Forecasting the Weather The National Geographic Sneley to Maintain n Solar Station in a Remote Part of the World to CoSperate with Smithsenian Institution Stations in California and Chile By C G Abbot Vol XLIX, pp 111126, 13 ills, 1 chart, Jan, 1202 50c

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